

10/583 736

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
29 December 2005 (29.12.2005)

PCT

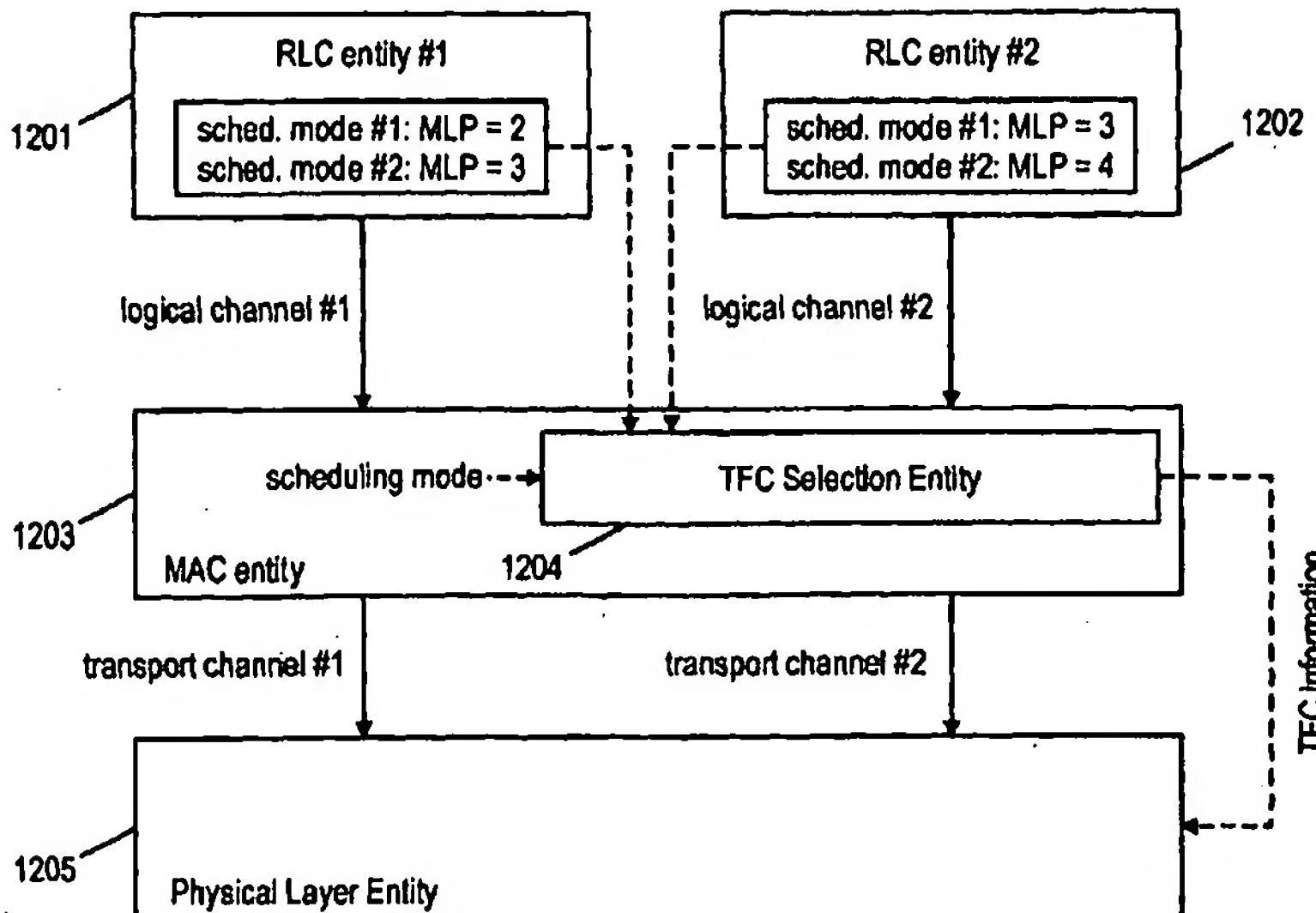
(10) International Publication Number  
**WO 2005/125252 A1**

- (51) International Patent Classification<sup>7</sup>: H04Q 7/38, H04L 12/56, 29/08
- (74) Agent: KUHL, Dietmar; Grünecker, Kinkeldey, Stockmair & Schwanhäusser, Maximilianstrasse 58, 80538 München (DE).
- (21) International Application Number: PCT/EP2005/006361
- (22) International Filing Date: 14 June 2005 (14.06.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 04014004.8 15 June 2004 (15.06.2004) EP
- (71) Applicant (for all designated States except US): MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. [JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 (JP).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LÖHR, Joachim [DE/DE]; Soderstr. 90, 64287 Darmstadt (DE). SEIDEL, Elko [DE/DE]; Moosbergerstr. 97 a-b, 64285 Darmstadt (DE). PETROVIC, Dragan [YU/DE]; Am Kaiserschlag 15, 64295 Darmstadt (DE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: SCHEDULING MODE DEPENDENT DATA TRANSMISSIONS

WO 2005/125252 A1



(57) Abstract: The present invention relates to a method for transmitting data from a mobile terminal to a radio access network of a mobile communication system, the mobile terminal comprising a medium access control entity and to a mobile terminal. In order to enhance data transmission dependent on the scheduling mode, the present invention provides individual priorities depending on the scheduling mode which are used by the mobile terminal to schedule the transmission data or to multiplex different transmission data of different radio bearers onto a transport channel. Further the invention relates to a method and mobile terminal allowing a scheduling mode dependent scheduling of data transmissions by foreseeing and setting a flag for each logical channel depending on the scheduling mode of the associated radio bearer.



**Published:**

— *with international search report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*